

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A method to enable a wireless device to discover Internet businesses or services by accessing the Universal Description, Discovery and Integration (UDDI) registry, comprising:

- (a) forming a query to the UDDI registry on the wireless device;
- (b) establishing a geographical location for the wireless device; ~~and~~
- (c) appending the geographical location to a service discovery request so that responses to the query are dependent on the established geographical location; and
- (d) caching files accessed from web sites, for selective forwarding to the user's wireless device.

Claim 2 (Original): The method of claim 1, wherein the method is embodied as programmed instructions executed within the user's wireless device to query the UDDI registry.

Claim 3 (Original): The method of claim 1, wherein the method is embodied as programmed instructions executed within a separate knowledge engine server to query the UDDI registry in response to commands from the user's wireless device.

Claim 4 (Original): The method of claim 1, wherein establishing the geographical location of a wireless device includes a Global Positioning System (GPS) coordinate.

Claim 5 (Original): The method of claim 1, wherein establishing the geographical location of a wireless device utilizes Mobile-Based Enhanced Observed Time Difference

Claim 6 (Original): The method of claim 1, wherein establishing the geographical location of a wireless device includes map information services/databases (Original):

Claim 7 (Original): The method of claim 1, wherein establishing the geographical location of a wireless device utilizes a gateway mobile location center.

Claim 8 (Currently Amended): The method of claim 1, wherein establishing the geographical location of a wireless device includes a ~~cellular ID~~ cell ID associated with the wireless device.

Claim 9 (Canceled)

Claim 10 (Original): A method to enable a wireless device to discover Internet businesses or services by accessing the Universal Description, Discovery and Integration (UDDI) registry, comprising:

- (a) entering a location handle that will be associated with a geographic location of the wireless device;
- (b) receiving location data and linking the location data to the location handle;
- (c) entering at least one query term;

(d) sending a find_business XML inquiry to the UDDI registry in response to the entered query terms with appended location data; and

(e) receiving back from the UDDI registry, a businessList message that contains a list of business names satisfying the find_business query and location data.

Claim 11 (Original): The method of claim 10, which further comprises:

- (a) selecting an item from the returned businessList message;
- (b) drilling down in the selected business' entity data;
- (c) sending a find_service XML inquiry to the UDDI registry;
- (d) receiving back from the UDDI registry, a serviceList message that contains a list of names of services offered by the selected business in the geographical location.

Claim 12 (Original): The method of claim 11, which further comprises:

- (a) selecting an item from the returned serviceList message;
- (b) drilling down in the selected service data;
- (c) sending a get_serviceDetail_XML inquiry to the UDDI registry;
- (d) receiving back from the UDDI registry, a serviceDetail message that includes bindingTemplate data that contains the details of the selected service.

Claim 13 (Original): The method of claim 12, which further comprises: including in the bindingTemplate data an accessPoint URL, which is the URL of the selected service on the web site of the selected business.

Claim 14 (Original): The method of claim 13, which further comprises displaying the accessPoint URL to the user.

Claim 15 (Original): The method of claim 10, wherein the location data includes a Global Positioning System (GPS) coordinate.

Claim 16 (Original): The method of claim 10, wherein the location data utilizes Mobile-Based Enhanced Observed Time Difference .

Claim 17 (Original): The method of claim 10, wherein the location data includes map information services/databases.

Claim 18 (Original): The method of claim 10, wherein the location data utilizes data from a gateway mobile location center.

Claim 19 (Currently Amended): The method of claim 10, wherein the location data includes a ~~cellular ID~~ cell ID associated with the wireless device.

Claim 20 (Original): The method of claim 13, which further comprises:

- (a) storing the location handle in a user profile with the location data;
- (b) providing the user with a shortcut for appending location data, in response to the user's entry of abbreviated location handle to the wireless device.

Claim 21 (Original): The method of claim 10, which further comprises pasting a user location into the at least one query term search by pressing a hotkey button connected to the wireless device.

Claim 22 (Original): The method of claim 10, wherein the location data is updated in accordance with the geographic location of the wireless device.

Claim 23 (Original): The method of claim 22, which further comprises storing the at least one query term and identifying the stored term with a search handle.

Claim 24 (Original): The method of claim 23, wherein the search handle may be replayed by the user using abbreviated means, wherein the replay of the search handle is appended with updated geographical location data.

Claim 25 (Currently Amended): A method to enable a wireless device to discover Internet businesses or services by accessing the Universal Description, Discovery and Integration (UDDI) registry, comprising:

- (a) entering a search handle in a wireless device that will be associated with the user's search strategy;
- (b) entering a location handle that will be associated with the user's location;
- (c) entering query terms in the wireless device as at least part of a business name;
- (d) transmitting the search handle, location handle and query terms to a knowledge engine server;

- (e) searching web sites using URLs contained in stored binding templates;
- (f) retrieving documents resulting from the search of the web sites; ~~and~~
- (g) applying a location filter prescribed by the user and stored in the user's profile, to limit the returned documents to only those of particular interest or location to the user;
- (h) sorting the documents in a list having an order established in accordance with user's profile or location; and
- (i) storing the filtered documents and the sorted list in a cache for later, selective accessing by the user.

Claim 26 (Canceled)

Claim 27 (Canceled)

Claim 28 (Currently Amended): The method of claim ~~[[27]]~~ 25, which further comprises receiving the user's selections from the list and updating the user's profile with the user's preferences or location.

Claim 29 (Original): The method of claim 28, which further comprises associating the search handle with user's selections and with the user's search strategy; storing that association in user's profile.

Claim 30 (Currently Amended) The method of claim 29, which further comprises providing the user with a shortcut for accessing pages from web sites, in response to the user's entry of an abbreviated search handle to the wireless device.

Claim 31 (Currently Amended): A system to enable a wireless device to discover Internet businesses or services by accessing the Universal Description, Discovery and Integration (UDDI) registry, comprising:

- a processor;
- a memory coupled to the processor, programmed to perform the steps of:
 - forming a query to the UDDI registry on the wireless device;
 - establishing a geographical location for the wireless device; ~~and~~
 - appending the geographical location to a service discovery request so that responses to the query are dependent on the established geographical location; and
 - caching files accessed from web sites, for selective forwarding to the user's wireless device.

Claim 32 (Original): A system to enable a wireless device to discover Internet businesses or services by accessing the Universal Description, Discovery and Integration (UDDI) registry, comprising:

- a processor;
- a memory coupled to the processor, programmed to perform the steps of:
 - entering a location handle that will be associated with a geographic location of the wireless device;

receiving location data and linking the location data to the location handle;
entering at least one query term; sending a find_business XML inquiry to the UDDI registry in response to the entered query terms with appended location data; and
receiving back from the UDDI registry a businessList message that contains a list of business names satisfying the find_business query and location data.

Claim 33 (Currently Amended): A system to enable a wireless device to discover Internet businesses or services by accessing the Universal Description, Discovery and Integration (UDDI) registry, comprising:

a processor;
a memory coupled to the processor, programmed to perform the steps of:
entering a search handle in a wireless device that will be associated with the user's search strategy;
entering a location handle that will be associated with the user's location;
entering query terms in the wireless device as at least part of a business name;
transmitting the search handle, location handle and query terms to a knowledge engine server;
searching web sites using URLs contained in stored binding templates; retrieving documents resulting from the search of the web sites; and
applying a location filter prescribed by the user and stored in the user's profile, to limit the returned documents to only those of particular interest or location to the user;
sorting the documents in a list having an order established in accordance with user's profile or location; and

storing the filtered documents and the sorted list in a cache for later, selective accessing by the user.

Claim 34 (Original): A system to enable a wireless device to discover Internet businesses or services by accessing the Universal Description, Discovery and Integration (UDDI) registry, comprising:

a processor;

a hotkey switch;

a memory coupled to the processor, programmed to perform the steps of:

entering a location handle that will be associated with a geographic location of the wireless device, wherein the geographical location is further associated with the hotkey switch;

receiving location data and linking the location data to the location handle and hotkey switch;

entering at least one query term;

appending geographical location to the query through the activation of the hotkey switch;

sending a find_business XML inquiry to the UDDI registry in response to the entered query terms with appended location data; and

receiving back from the UDDI registry, a businessList message that contains a list of business names satisfying the find_business query and location data.